

SN. 10/828,911

ATTORNEY DOCKET NO. KASA:019A

IN THE CLAIMS

The status of the claims as presently amended is as follows:

1. (*Currently Amended*) A turning tool for cutting circumferential grooves into a surface of a polishing pad formed of a resin material ~~and utilized for polishing semiconductor devices~~, said turning tool comprising:
at least one plate-like shaped tool tip; and
at least one cutting part extending from one side of the tool tip,
wherein the cutting part has arranged to have a tooth-width within a range of 0.005-1.0mm, a wedge angle within a range of 15-35 degrees, and a front clearance angle within a range of 65-45 degrees, for cutting circumferential grooves into the surface of the resin polishing pad.
2. (*Original*) A turning tool according to claim 1, wherein said cutting part has a rake angle within a range of 20-10 degrees.
3. (*Currently Amended*) A turning tool according to claim 1, wherein said cutting part has a side clearance angle with respect to a radially outer wall of each of said grooves, which is held within a range of 0-3 degrees.
4. (*Currently Amended*) A turning tool according to claim 1, wherein said ~~turning-tool tip~~ includes a plurality of multiple number of the cutting parts ~~which are~~ arranged in a predetermined direction ~~with~~ and are spaced apart by a pitch within a range of 0.2-2.0mm.
5. (*Currently Amended*) A turning tool according to claim 4, wherein said ~~plurality of the~~ cutting parts are arranged in a predetermined direction ~~with regular pitches~~.
6. (*Currently Amended*) A turning tool according to claim 4, ~~further comprising a plate-like shaped tool tip having a plurality of~~ wherein said cutting parts are integrally formed at one of edge portions thereof of said too tip so as to protrude outwardly from said one of said edge portion[[s]].
7. (*Withdrawn-Currently Amended*) A turning tool according to claim 6, wherein said ~~turning-tool~~ further comprising a ~~plurality~~ multiple number of said tool tip[[s]], said tool tips being fixedly

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arranged with each other so as to be aligned in a width direction thereof, ~~said cutting parts of said plurality of tool tips cooperate to form a multiplicity of cutting parts.~~

8. *(Withdrawn-Currently Amended)* A turning tool according to claim 7, further comprising a ~~predetermined tool-tip holder to which said plurality of said plate-like shaped~~ detachably holding said tool tips ~~are detachably fixed, said tool tip holder and said plurality of tool tips cooperate to constitute a tool unit.~~

9. *(Withdrawn-Currently Amended)* A turning tool according to claim ~~[[4]]~~ 1, further comprising a plurality multiple number of said tool cutting tip[s], each of the tool tips having ~~one of said cutting part[s]~~, said plurality of cutting tool tips are being detachably fixed to each other so that cutting parts of said plurality of cutting tips cooperate to form a plurality of cutting parts.

10. *(Withdrawn-Currently Amended)* A turning tool according to claim 9, wherein said plurality of cutting tool tips are superposed on and integrally fixed to one another with spacers interposed ~~adjacent ones of~~ between the cutting tool tips so that the spacers function to keep a pitch of said plurality of cutting tool tips.

11. *(Withdrawn-Currently Amended)* A turning tool according to claim 9, further comprising a cutting tip holder to which the plurality of cutting ~~detachably holding said tool tips are detachably fixed, said cutting tip holder and said cutting tips cooperate to constitute a unit tool.~~

12. *(Withdrawn-Currently Amended)* A turning tool according to claim 10, further comprising a cutting tip holder to which the plurality of cutting ~~detachably holding said tool tips are detachably fixed, said cutting tip holder and said cutting tips cooperate to constitute a unit tool.~~

13. *(Withdrawn-Currently Amended)* A turning tool according to claim 1, wherein said cutting part has a tip portion arcuately curved in a width direction thereof so that said tip portion has two end parts opposed in said width direction, said two end parts of said tip portion protruding outwardly from an intermediate part of said tip portion in a direction perpendicular to said width direction thereof.

14. *(Currently Amended)* A turning tool according to claim 1, wherein said cutting part has a serrated tip portion being serrated.

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15. (*Currently Amended*) A turning tool according to claim 1, wherein said cutting part has at least one serrated side surface ~~being serrated~~.

16-40. (*Canceled*)

41. (*New*) A turning tool according to claim 1, wherein said tool tip includes a multiple number of the cutting part arranged in a predetermined direction and the cutting parts are spaced apart by a pitch given by integral multiples of a pitch of concentric grooves to be formed into the surface of the polishing pad.

42. (*New*) A turning tool according to claim 1, wherein said tool tip includes a multiple number of the cutting part arranged in a predetermined direction and the cutting parts are spaced apart by double a pitch of concentric grooves to be formed into the surface of the polishing pad.